

Day : Wednesday

Date: 11/16/2005

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PALM INTRANET**Inventor Name Search Result**

Your Search was:

Last Name = THOMPSON

First Name = MARK

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>06453512</u>	Not Issued	161	03/02/1983	PLANT SUPPORT STRUCTURE	THOMPSON, MARK
<u>07187167</u>	5290914	150	04/28/1988	HYBRID DIPHTHERIA-BT PESTICIDAL TOXINS	THOMPSON, MARK
<u>07265731</u>	5169629	150	11/01/1988	A PROLESS OF CONTROLLING LEPIDOPTERAN PESTS, USING BACILLUS THURINGIENSIS ISOLATE DENOTED B.T. PS81GG	THOMPSON, MARK
<u>07520590</u>	5153554	150	05/08/1990	LOW VOLTAGE VARISTOR ARRAY	THOMPSON, MARK
<u>07520685</u>	5124822	150	05/08/1990	VARISTOR DRIVEN LIQUID CRYSTAL DISPLAY	THOMPSON, MARK
<u>07538355</u>	Not Issued	168	06/14/1990	NOVEL BACILLUS THURINGIENSIS ISOLATE HAVING ANTIPROTOZOAN ACTIVITY	THOMPSON, MARK
<u>07614544</u>	5135867	150	11/16/1990	A GENE ENCODING A LEPIDOPTERAN-ACTIVE TOXIN FROM BACILLUS THURINGIENSIS ISOLATE DENOTED B.T.PS81GG ACTIVE AGANIST LEPIDOPTERAN PESTS	THOMPSON, MARK
<u>07638707</u>	Not Issued	161	01/08/1991	SPEAKER SYSTEM	THOMPSON, MARK
<u>07654166</u>	Not Issued	166	02/12/1991	NOVEL BACILLUS THURINGIENSIS ISOLATE HAVING ANTI-PROTOZOAN ACTIVITY	THOMPSON, MARK
<u>07777774</u>	Not Issued	161	10/15/1991	LOW VOLTAGE VARISTOR ARRAY	THOMPSON, MARK
<u>07920085</u>	5352661	150	07/27/1992	NOVEL BACILLUS THURINGIENSIS ISOLATE DENOTED B.T. PS81GG,	THOMPSON, MARK

				ACTIVE AGAINST LEPIDOPTERAN PESTS, AND A GENE ENCODING A LEPIDOPTERAN-ACTIVE TOXIN	
<u>07968781</u>	5430137	150	10/30/1992	PROBES FOR THE IDENTIFICATION OF BACILLUS THURINGIENSIS ENDOTOXIN GENES	THOMPSON, MARK
<u>07977698</u>	Not Issued	161	11/17/1992	NOVEL BACILLUS THURINGIENSIS ISOLATE HAVING ANTI-PROTOZOAN ACTIVITY	THOMPSON, MARK
<u>07978838</u>	Not Issued	161	11/19/1992	NOVEL BACILLUS THURINGIENSIS ISOLATE DENOTED B.T. PS81GG, ACTIVE AGAINST LEPIDOPTERAN PESTS, AND A GENE ENCODING A LEPIDOPTERAN -ACTIVE TOXIN	THOMPSON, MARK
<u>07983344</u>	Not Issued	166	11/30/1992	NOVEL HYBRID PESTICIDAL TOXINS	THOMPSON, MARK
<u>08091527</u>	Not Issued	166	07/12/1993	NOVEL BACILLUS THURINGIENSIS ISOLATE HAVING ANTI-PROTOZOAN ACTIVITY	THOMPSON, MARK
<u>08121717</u>	Not Issued	164	09/15/1993	ELECTRICAL DEVICES	THOMPSON, MARK
<u>08239474</u>	5593881	150	05/06/1994	BACILLUS THURINGIENSIS DELTA-ENDOTOXIN	THOMPSON, MARK
<u>08239476</u>	5527883	150	05/06/1994	DELTA-ENDOTOXIN EXPRESSION IN PSEUDOMONAS FLUORESCENS	THOMPSON, MARK
<u>08278685</u>	5468483	150	07/21/1994	NOVEL BACILLUS THURINGIENSIS ANTI- GIARDIA TREATMENT	THOMPSON, MARK
<u>08302138</u>	Not Issued	166	09/07/1994	ELECTRICAL DEVICES	THOMPSON, MARK
<u>08349867</u>	5508264	150	12/06/1994	NOVEL PESTICIDAL COMPOSITIONS	THOMPSON, MARK
<u>08383769</u>	5605578	150	02/03/1995	METHOD FOR CLEANING OUTDOOR SURFACE SUCH AS VINYL SIDING	THOMPSON, MARK
<u>08421635</u>	Not Issued	168	04/13/1995	PROBES FOR THE IDENTIFICATION OF BACILLUS THURINGIENSIS ENDOTOXIN GENES	THOMPSON, MARK

<u>08438465</u>	6051556	150	05/10/1995	NOVEL HYBRID PESTICIDAL TOXINS	THOMPSON, MARK
<u>08451922</u>	Not Issued	168	05/26/1995	DOUBLE BARREL SPRAYER FOR SELECTIVE SPRAYING OF WATER OR DILUTED PRODUCT AND USE THEREOF	THOMPSON, MARK
<u>08474358</u>	Not Issued	168	06/07/1995	ELECTRICAL DEVICES	THOMPSON, MARK
<u>08478636</u>	Not Issued	161	06/07/1995	ELECTRICAL DEVICES	THOMPSON, MARK
<u>08481562</u>	Not Issued	168	06/07/1995	ELECTRICAL DEVICES	THOMPSON, MARK
<u>08481775</u>	Not Issued	168	06/07/1995	ELECTRICAL DEVICES	THOMPSON, MARK
<u>08511142</u>	5595345	150	08/04/1995	DOUBLE BARREL SPRAYER FOR SELECTIVE SPRAYING OF WATER OR DILUTED PRODUCT AND USE THEREOF	THOMPSON, MARK
<u>08514245</u>	5567247	150	08/11/1995	METHOD FOR CLEANING OUTDOOR PAINTED ARTIFICIALLY STAINED SURFACE	THOMPSON, MARK
<u>08598305</u>	5827514	150	02/08/1996	NOVEL PESTICIDAL COMPOSITIONS	THOMPSON, MARK
<u>08635919</u>	5910249	150	09/09/1996	METHOD AND APPARATUS FOR RECOVERING WATER FROM A SEWER MAIN	THOMPSON, MARK
<u>08639923</u>	5840554	150	04/24/1996	DELTA-ENDOTOXIN EXPRESSION IN PSEUDOMONAS FLUORESCENS	THOMPSON, MARK
<u>08678972</u>	Not Issued	161	07/12/1996	CLEANING COMPOSITION AND METHOD FOR CLEANING OUTDOOR SURFACE SUCH AS VINYL SIDING	THOMPSON, MARK
<u>08679277</u>	Not Issued	161	07/12/1996	CLEANING COMPOSITION AND METHOD FOR CLEANING OUTDOOR PAINTED/STAINED SURFACE	THOMPSON, MARK
<u>08727869</u>	Not Issued	164	10/08/1996	ELECTRICAL DEVICES	THOMPSON, MARK
<u>08732495</u>	5932209	150	03/06/1997	BACILLUS THURINGIENSIS DELTA-ENDOTOXIN	THOMPSON, MARK
<u>08736053</u>	Not	169	10/22/1996	METHOD FOR APPLYING	THOMPSON, MARK

	Issued			WATER-PROOFING COMPOSITIONS TO OUTDOOR SURFACE	
<u>08863555</u>	Not Issued	161	05/27/1997	METHOD FOR APPLYING WATERPROOFING COMPOSITIONS TO OUTDOOR SURFACE	THOMPSON, MARK
<u>08863566</u>	Not Issued	161	05/27/1997	METHOD FOR CLEANING ENVIRONMENTAL SOILS FROM OUTDOOR UNFINISHED SURFACE	THOMPSON, MARK
<u>08900787</u>	5852397	150	07/25/1997	ELECTRICAL DEVICES	THOMPSON, MARK
<u>08904278</u>	5874288	150	07/31/1997	BACILLUS THURINGIENSIS TOXINS WITH IMPROVED ACTIVITY	THOMPSON, MARK
<u>08948130</u>	6030715	150	10/09/1997	AZLACTONE-RELATED DOPANTS IN THE EMISSIVE LAYER OF AN OLED	THOMPSON, MARK
<u>09014725</u>	Not Issued	161	01/28/1998	METHOD OF FORMING RIGID THERMOPLASTIC PRODUCTS FROM WASTE CARPET	THOMPSON, MARK
<u>09051665</u>	Not Issued	161	12/31/1998	CLEANING COMPOSITION, METHOD AND APPARATUS FOR CLEANING EXTERIOR WINDOWS	THOMPSON, MARK
<u>09053030</u>	6451455	150	04/01/1998	METAL COMPLEXES BEARING BOTH ELECTRON TRANSPORTING AND HOLE TRANSPORTING MOIETIES	THOMPSON, MARK
<u>09073843</u>	6330262	150	05/07/1998	ORGANIC SEMICONDUCTOR LASERS	THOMPSON, MARK
<u>09076193</u>	5973231	150	05/12/1998	BACILLUS THURINGIENSIS ISOLATES, TOXINS, AND GENES FOR CONTROLLING CERTAIN COLEOPTERAN PESTS	THOMPSON, MARK

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PALM INTRANET**Inventor Name Search Result**

Your Search was:

Last Name = RACIBORSKI

First Name = NATHAN

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>10386766</u>	Not Issued	30	03/12/2003	Digital rights management license delivery system and method	RACIBORSKI, NATHAN
<u>09663551</u>	Not Issued	93	09/18/2000	RESIZABLE GRAPHICAL USER INTERFACE	RACIBORSKI, NATHAN F.
<u>09663554</u>	6904460	150	09/18/2000	REVERSE CONTENT HARVESTER	RACIBORSKI, NATHAN F.
<u>09663555</u>	Not Issued	61	09/18/2000	Client side holistic health check	RACIBORSKI, NATHAN F.
<u>09664036</u>	Not Issued	80	09/18/2000	Client side deterministic routing and transparent redirection	RACIBORSKI, NATHAN F.
<u>09664037</u>	Not Issued	71	09/18/2000	Client side address routing analysis	RACIBORSKI, NATHAN F.
<u>09664139</u>	Not Issued	41	09/18/2000	Method for providing multiple addresses	RACIBORSKI, NATHAN F.
<u>09664147</u>	Not Issued	61	09/18/2000	Content tracking	RACIBORSKI, NATHAN F.
<u>09664148</u>	6879998	150	09/18/2000	VIEWER OBJECT PROXY	RACIBORSKI, NATHAN F.
<u>09664179</u>	6836806	150	09/18/2000	SYSTEM FOR NETWORK ADDRESSING	RACIBORSKI, NATHAN F.
<u>09664294</u>	Not Issued	132	09/18/2000	Self-publishing network directory	RACIBORSKI, NATHAN F.
<u>09664509</u>	6658000	150	09/18/2000	SELECTIVE ROUTING	RACIBORSKI, NATHAN F.
<u>09665203</u>	Not Issued	83	09/18/2000	Active directory for content objects	RACIBORSKI, NATHAN F.
<u>09665204</u>	Not Issued	41	09/18/2000	QOS based content distribution network	RACIBORSKI, NATHAN F.
<u>09867868</u>	Not Issued	41	05/29/2001	Preloading content objects on content exchanges	RACIBORSKI, NATHAN F.
<u>09870302</u>	Not Issued	41	05/29/2001	Content exchange apparatus	RACIBORSKI, NATHAN F.

<u>09997519</u>	Not Issued	30	11/28/2001	Playback manipulation of HTTP streamed content objects	RACIBORSKI, NATHAN F.
<u>10002222</u>	Not Issued	41	11/28/2001	Peer-to-peer caching network	RACIBORSKI, NATHAN F.
<u>10002290</u>	Not Issued	71	11/28/2001	Determining redundancies in content object directories	RACIBORSKI, NATHAN F.
<u>10007420</u>	Not Issued	71	11/30/2001	URL munging	RACIBORSKI, NATHAN F.
<u>10901893</u>	Not Issued	20	07/28/2004	Multiple object download	RACIBORSKI, NATHAN F.
<u>10901907</u>	Not Issued	30	07/28/2004	Consistent browser file download	RACIBORSKI, NATHAN F.
<u>10935897</u>	Not Issued	20	09/07/2004	Authentication of content download	RACIBORSKI, NATHAN F.
<u>10936446</u>	Not Issued	30	09/07/2004	Management of digital content licenses	RACIBORSKI, NATHAN F.
<u>10958978</u>	Not Issued	20	10/04/2004	Rich content download	RACIBORSKI, NATHAN F.
<u>11054783</u>	Not Issued	30	02/09/2005	Universal search engine	RACIBORSKI, NATHAN F.
<u>11077814</u>	Not Issued	20	03/11/2005	Viewer object proxy	RACIBORSKI, NATHAN F.
<u>11195143</u>	Not Issued	20	08/01/2005	Dynamic bandwidth allocation	RACIBORSKI, NATHAN F.
<u>11195247</u>	Not Issued	30	08/01/2005	Heavy load packet-switched routing	RACIBORSKI, NATHAN F.
<u>60209007</u>	Not Issued	159	06/01/2000	Streaming media network with improved quality of service	RACIBORSKI, NATHAN F.
<u>60490809</u>	Not Issued	159	07/28/2003	Consistent browser file download	RACIBORSKI, NATHAN F.
<u>60490810</u>	Not Issued	159	07/28/2003	Multiple object download	RACIBORSKI, NATHAN F.
<u>60500530</u>	Not Issued	159	09/05/2003	Management of digital content licenses	RACIBORSKI, NATHAN F.
<u>60508626</u>	Not Issued	159	10/03/2003	Rich content download	RACIBORSKI, NATHAN F.
<u>60543228</u>	Not Issued	159	02/09/2004	Enhanced bandwidth provision	RACIBORSKI, NATHAN F.
<u>60614788</u>	Not Issued	159	09/29/2004	Universal search engine	RACIBORSKI, NATHAN F.
<u>60662807</u>	Not Issued	20	03/15/2005	Electronic copyright license repository	RACIBORSKI, NATHAN F.
<u>09665205</u>	Not Issued	41	09/18/2000	Content manager	RACIBORSKI, NATHAN F.
<u>60500388</u>	Not Issued	159	09/05/2003	Authentication of content download	RACIBORSKI, NATHAN F.

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1 Multimedia Applications of Multiprocessor Systems-on-Chips

Wayne Wolf

March 2005 **Proceedings of the conference on Design, Automation and Test in Europe - Volume 3**

Publisher: IEEE Computer Society

Full text available:  pdf(83.35 KB) Additional Information: [full citation](#), [abstract](#)

This paper surveys the characteristics of multimedia systems. Multimedia applications today are dominated by compression and decompression, but multimedia devices must also implement many other functions such as security and file management. We introduce some basic concepts of multimedia algorithms and the larger set of functions that multimedia systems-on-chips must implement.

2 Teaching key topics in computer science and information systems through a web search engine project

 Michael Chau, Zan Huang, Hsinchun Chen
September 2003 **Journal on Educational Resources in Computing (JERIC)**, Volume 3 Issue 3

Publisher: ACM Press

Full text available:  pdf(169.15 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Advances in computer and Internet technologies have made it more and more important for information technology professionals to acquire experience in a variety of aspects, including new technologies, system integration, database administration, and project management. To provide students with a chance to acquire such skills, we designed a project called "Build Your Search Engine in 90 Days," in which students were required to build a domain-specific Web search engine in a semester. In this pa ...

Keywords: education, indexing, web computing, web search engine, web spiders

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1 Teaching key topics in computer science and information systems through a web search engine project

 Michael Chau, Zan Huang, Hsinchun Chen
 September 2003 **Journal on Educational Resources in Computing (JERIC)**, Volume 3 Issue 3
Publisher: ACM Press
 Full text available: [!\[\]\(d1316f8bf10efddb34c0cd284525b1e6_img.jpg\) pdf\(169.15 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Advances in computer and Internet technologies have made it more and more important for information technology professionals to acquire experience in a variety of aspects, including new technologies, system integration, database administration, and project management. To provide students with a chance to acquire such skills, we designed a project called "Build Your Search Engine in 90 Days," in which students were required to build a domain-specific Web search engine in a semester. In this pa ...

Keywords: education, indexing, web computing, web search engine, web spiders

2 Text Extraction and Summarization: Text classification in a hierarchical mixture model
 **for small training sets**

Kristina Toutanova, Francine Chen, Kris Popat, Thomas Hofmann
 October 2001 **Proceedings of the tenth international conference on Information and knowledge management**
Publisher: ACM Press

Full text available: [!\[\]\(41959a55675a4cf6a0c75249945ddd26_img.jpg\) pdf\(1.40 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Documents are commonly categorized into hierarchies of topics, such as the ones maintained by Yahoo! and the Open Directory project, in order to facilitate browsing and other interactive forms of information retrieval. In addition, topic hierarchies can be utilized to overcome the sparseness problem in text categorization with a large number of categories, which is the main focus of this paper. This paper presents a *hierarchical mixture model* which extends the standard naive Bayes classif ...

3 Multimedia Applications of Multiprocessor Systems-on-Chips

Wayne Wolf
 March 2005 **Proceedings of the conference on Design, Automation and Test in Europe - Volume 3**
Publisher: IEEE Computer Society

Full text available: [!\[\]\(ab45609bcd3346fe6539308be8d5cbb8_img.jpg\) pdf\(83.35 KB\)](#) Additional Information: [full citation](#), [abstract](#)

This paper surveys the characteristics of multimedia systems. Multimedia applications

today are dominated by compression and decompression, but multimedia devices must also implement many other functions such as security and file management. We introduce some basic concepts of multimedia algorithms and the larger set of functions that multimedia systems-on-chips must implement.

- 4 [Fine-Grained Dynamic Voltage and Frequency Scaling for Precise Energy and Performance Trade-Off Based on the Ratio of Off-Chip Access to On-Chip Computation Times](#)



Kihwan Choi, Ramakrishna Soma, Massoud Pedram

February 2004 **Proceedings of the conference on Design, automation and test in Europe - Volume 1**

Publisher: IEEE Computer Society

Full text available: [pdf\(757.37 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This paper presents an intra-process dynamic voltage and frequency scaling (DVFS) technique targeted toward non real-time applications running on an embedded system platform. The key idea is to make use of runtime information about the external memory access statistics in order to perform CPU voltage and frequency scaling with the goal of minimizing the energy consumption while translucently controlling the performance penalty. The proposed DVFS technique relies on dynamically-constructed regres ...

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Relevance scale **1 Adaptive multilingual sentence boundary disambiguation**

David D. Palmer, Marti A. Hearst
 June 1997 **Computational Linguistics**, Volume 23 Issue 2

Publisher: MIT Press

Full text available:   pdf(1.77 MB) Additional Information: full citation, abstract, references, citings
[Publisher Site](#)

The sentence is a standard textual unit in natural language processing applications. In many languages the punctuation mark that indicates the end-of-sentence boundary is ambiguous; thus the tokenizers of most NLP systems must be equipped with special sentence boundary recognition rules for every new text collection. As an alternative, this article presents an efficient, trainable system for sentence boundary disambiguation. The system, called Satz, makes simple estimates of the parts of speech of ...

2 Verbs semantics and lexical selection

Zhibiao Wu, Martha Palmer
 June 1994 **Proceedings of the 32nd annual meeting on Association for Computational Linguistics**

Publisher: Association for Computational Linguistics

Full text available:   pdf(585.30 KB) Additional Information: full citation, abstract, references, citings
[Publisher Site](#)

This paper will focus on the semantic representation of verbs in computer systems and its impact on lexical selection problems in machine translation (MT). Two groups of English and Chinese verbs are examined to show that lexical selection must be based on interpretation of the sentences as well as selection restrictions placed on the verb arguments. A novel representation scheme is suggested, and is compared to representations with selection restrictions used in transfer-based MT. We see our ap ...

3 An Introduction to Rlab

Ian Searle
 June 1996 **Linux Journal**

Publisher: Specialized Systems Consultants, Inc.

Full text available:  html(24.39 KB) Additional Information: full citation, abstract, index terms

A computational tool for scientific and engineering applications

4 Special issue dedicated to Claude E. Shannon: A mathematical theory of communication

C. E. Shannon

January 2001 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume

5 Issue 1

Publisher: ACM Press

Full text available:  pdf(3.45 MB)

Additional Information: [full citation](#), [citations](#)



5 Extended Boolean information retrieval

 Gerard Salton, Edward A. Fox, Harry Wu

November 1983 **Communications of the ACM**, Volume 26 Issue 11

Publisher: ACM Press

Full text available:  pdf(1.11 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: L_p-vector norm, generalized distance measurement, information retrieval, online retrieval methods, query formulation



6 Efficient multiple and predicated dispatching

 Craig Chambers, Weimin Chen

October 1999 **ACM SIGPLAN Notices , Proceedings of the 14th ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications OOPSLA '99**, Volume 34 Issue 10

Publisher: ACM Press

Full text available:  pdf(2.41 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The speed of message dispatching is an important issue in the overall performance of object-oriented programs. We have developed an algorithm for constructing efficient dispatch functions that combines novel algorithms for efficient single dispatching, multiple dispatching, and predicate dispatching. Our algorithm first reduces methods written in the general predicate dispatching model (which generalizes single dispatching, multiple dispatching, predicate classes and classifiers, and pattern ...)



7 Analysis of the HDAF for interpolation and noise suppression in volume rendering

Kristoffer Andersson, Ioannis A. Kakadiaris, Manos Papadakis, Donald J. Kouri, David K. Hoffman

May 2003 **Proceedings of the symposium on Data visualisation 2003 VISSYM '03**

Publisher: Eurographics Association

Full text available:  pdf(991.89 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

In this paper, we evaluate the HDAF (Hermite Distributed Approximating Functionals) family of interpolation and derivative functions, with respect to their accuracy for reliable volume rendering, and compare them with other interpolation and derivative estimation filters. We utilize several different evaluation methods, both analytical and experimental. The former includes the order of decay of the global error, the local spatial error, and the behavior of the filters in the frequency domain. In ...



8 Paper session 5: approximate and ranked query processing: Content and structure in indexing and ranking XML

 Felix Weigel, Holger Meuss, Klaus U. Schulz, François Bry

June 2004 **Proceedings of the 7th International Workshop on the Web and Databases: colocated with ACM SIGMOD/PODS 2004 WebDB '04**

Publisher: ACM Press

Full text available:  pdf(320.32 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Rooted in electronic publishing, XML is now widely used for modelling and storing structured text documents. Especially in the WWW, retrieval of XML documents is most useful in combination with a relevance-based ranking of the query result. Index structures with ranking support are therefore needed for fast access to relevant parts of large

document collections. This paper proposes a classification scheme for both XML ranking models and index structures, allowing to determine which index suits w ...

9 Special issue on kernel methods: One-class svms for document classification

Larry M. Manevitz, Malik Yousef

March 2002 **The Journal of Machine Learning Research**, Volume 2

Publisher: MIT Press

Full text available: [pdf\(203.03 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#)

We implemented versions of the SVM appropriate for *one-class* classification in the context of information retrieval. The experiments were conducted on the standard *Reuters* data set. For the SVM implementation we used both a version of Schoelkopf et al. and a somewhat different version of one-class SVM based on identifying "outlier" data as representative of the second-class. We report on experiments with different kernels for both of these implementations and with different represe ...

10 Intrusion detection: Specification-based anomaly detection: a new approach for

 **detecting network intrusions**

R. Sekar, A. Gupta, J. Frullo, T. Shanbhag, A. Tiwari, H. Yang, S. Zhou

November 2002 **Proceedings of the 9th ACM conference on Computer and communications security**

Publisher: ACM Press

Full text available: [pdf\(127.45 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Unlike signature or misuse based intrusion detection techniques, anomaly detection is capable of detecting novel attacks. However, the use of anomaly detection in practice is hampered by a high rate of false alarms. Specification-based techniques have been shown to produce a low rate of false alarms, but are not as effective as anomaly detection in detecting novel attacks, especially when it comes to network probing and denial-of-service attacks. This paper presents a new approach that combines ...

Keywords: anomaly detection, intrusion detection, network monitoring

11 Transmission facilities for computer communications

 A. G. Fraser, P. S. Henry

October 1992 **ACM SIGCOMM Computer Communication Review**, Volume 22 Issue 5

Publisher: ACM Press

Full text available: [pdf\(855.61 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper presents a brief introduction to architectures and technologies that probably will be used for wide-area communications. It starts with a review of the structure of today's network and some aspects of the *digital transmission* systems that dominate modem networks. Then the status and trends in wide-area transmission technology are addressed, first for the *backbone network* and then for the *local access network*. Local access refers to the transmission systems which c ...

12 Learning technologies: Modeling educational software for people with disabilities:

 **theory and practice**

Nelson Baloian, Wolfram Luther, Jaime Sánchez

July 2002 **Proceedings of the fifth international ACM conference on Assistive technologies**

Publisher: ACM Press

Full text available: [pdf\(1.15 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Interactive multimedia learning systems are not suitable for people with disabilities. They tend to propose interfaces which are not accessible for learners with vision or auditory disabilities. Modeling techniques are necessary to map real world experiences to virtual worlds by using 3D auditory representations of objects for blind people and visual

representations for deaf people. In this paper we describe common aspects and differences in the process of modeling the real world for application ...

Keywords: modeling methodologies, sensory disabilities, tutoring systems, user adapted interfaces

13 Synthesis of reusable DSP cores based on multiple behaviors

Wei Zhao, Christos A. Papachristou

January 1997 **Proceedings of the 1996 IEEE/ACM international conference on Computer-aided design**

Publisher: IEEE Computer Society

Full text available:  [pdf\(269.88 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)
 [Publisher Site](#)

Design with cores has become popular recently because it can decrease the design time and ease the complexity of the design process. This paper presents a new method for the design of DSP cores based on multiple behaviors. This method uses redesign technique based on reallocation transformations to extract those RTL components in an initial RTL structure which are highly reusable and uses them to construct a DSP core. Experimental results are provided to illustrate the high reusability of core, ...

Keywords: RTL components, RTL structure, design process complexity, design time, digital signal processing chips, multiple behaviors, reusable DSP cores synthesis

14 Song of the whale: parallel processing using APL2

 Per Gjerløv, Izabela Meisel

June 1996 **ACM SIGAPL APL Quote Quad , Proceedings of the conference on Designing the future APL '96**, Volume 26 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(707.25 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

APL2 has often been used in a credit course at the Technical University of Denmark. The objective of the course exercise has been to analyze the vocalizations of Sperm Whales. In January 1996 the course was run again, this time using the IBM SP/2 supercomputer to solve the problem, and in this course an additional objective was to utilize the possibilities of this powerful parallel computer. During the three weeks of the course the students learned the APL language, solved a non-trivial problem, ...

15 Towards a Model for Hardware and Software Functional Partitioning

Frank Vahid, Thuy DM Le

March 1996 **Proceedings of the 4th International Workshop on Hardware/Software Co-Design**

Publisher: IEEE Computer Society

Full text available:  [pdf\(914.27 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#)
 [Publisher Site](#)

We describe a model that supports the functional partitioning of a system-level functional specification among hardware and software components. The model includes only the information needed by partitioning, and thus can be communicated freely and generated automatically. Based on characteristics of several real examples, we describe a technique for automatically generating generic model instances, on which partitioning heuristics can be applied and fairly compared. Such comparisons will become ...

16 System architectures for computer music

 John W. Gordon

June 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 2

Publisher: ACM Press

Additional Information:

Full text available: [pdf\(4.61 MB\)](#)

[full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Computer music is a relatively new field. While a large proportion of the public is aware of computer music in one form or another, there seems to be a need for a better understanding of its capabilities and limitations in terms of synthesis, performance, and recording hardware. This article addresses that need by surveying and discussing the architecture of existing computer music systems. System requirements vary according to what the system will be used for. Common uses for co ...

17 [Wireless Andrew: building a high speed, campus-wide wireless data network](#) 

Bernard J. Bennington, Charles R. Bartel

January 2001 **Mobile Networks and Applications**, Volume 6 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: [pdf\(159.87 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: Andrew, WaveLAN, integration, wireless network

18 [ATTICS \(poster abstract\): a software platform for online text classification](#) 

 David D. Lewis, Daniel L. Stern, Amit Singhal

August 1999 **Proceedings of the 22nd annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: [pdf\(248.94 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

19 [Wireless Andrew: experience building a high speed, campus-wide wireless data network](#) 

 Bernard J. Bennington, Charles R. Bartel

September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**

Publisher: ACM Press

Full text available: [pdf\(1.48 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

20 [Multimedia Applications of Multiprocessor Systems-on-Chips](#) 

Wayne Wolf

March 2005 **Proceedings of the conference on Design, Automation and Test in Europe - Volume 3**

Publisher: IEEE Computer Society

Full text available: [pdf\(83.35 KB\)](#) Additional Information: [full citation](#), [abstract](#)

This paper surveys the characteristics of multimedia systems. Multimedia applications today are dominated by compression and decompression, but multimedia devices must also implement many other functions such as security and file management. We introduce some basic concepts of multimedia algorithms and the larger set of functions that multimedia systems-on-chips must implement.

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1 Intrusion detection: Specification-based anomaly detection: a new approach for detecting network intrusions 

R. Sekar, A. Gupta, J. Frullo, T. Shanbhag, A. Tiwari, H. Yang, S. Zhou

November 2002 **Proceedings of the 9th ACM conference on Computer and communications security**

Publisher: ACM Press

Full text available:  pdf(127.45 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Unlike signature or misuse based intrusion detection techniques, anomaly detection is capable of detecting novel attacks. However, the use of anomaly detection in practice is hampered by a high rate of false alarms. Specification-based techniques have been shown to produce a low rate of false alarms, but are not as effective as anomaly detection in detecting novel attacks, especially when it comes to network probing and denial-of-service attacks. This paper presents a new approach that combines ...

Keywords: anomaly detection, intrusion detection, network monitoring

2 Analog State Transmission with Digital Hardware 

J. T. Marienborg, T. S. Lande

January 2000 **Analog Integrated Circuits and Signal Processing**, Volume 22 Issue 1

Publisher: Kluwer Academic Publishers

Full text available:  Publisher Site

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A novel strategy for analog state transmission providing a large number of analog channels is presented. The total bandwidth of a digital asynchronous bus is dynamically divided by a large number of separate channels using relatively simple modulation and arbitration circuitry. The concept introduces several interesting aspects like random quantization noise, good scaling capabilities and low area consumption. The feasibility of the method has been proven by measurements on a working chip imp ...

Keywords: analog chip interconnection, analog communication, time multiplexing

3 RFC1589: A Kernel Model for Precision Timekeeping 

D. Mills

March 1994 rfc

Publisher: RFC Editor

Additional Information: [full citation](#)**4 Efficient multiple and predicated dispatching**

-  Craig Chambers, Weimin Chen
October 1999 **ACM SIGPLAN Notices , Proceedings of the 14th ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications OOPSLA '99**, Volume 34 Issue 10

Publisher: ACM PressFull text available:  pdf(2.41 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The speed of message dispatching is an important issue in the overall performance of object-oriented programs. We have developed an algorithm for constructing efficient dispatch functions that combines novel algorithms for efficient single dispatching, multiple dispatching, and predicate dispatching. Our algorithm first reduces methods written in the general predicate dispatching model (which generalizes single dispatching, multiple dispatching, predicate classes and classifiers, and patter ...

5 Wireless Andrew: building a high speed, campus-wide wireless data network

- Bernard J. Bennington, Charles R. Bartel
January 2001 **Mobile Networks and Applications**, Volume 6 Issue 1

Publisher: Kluwer Academic PublishersFull text available:  pdf(159.87 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: Andrew, WaveLAN, integration, wireless network

6 Wireless Andrew: experience building a high speed, campus-wide wireless data network

-  Bernard J. Bennington, Charles R. Bartel
September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**

Publisher: ACM PressFull text available:  pdf(1.48 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**7 System architectures for computer music**

-  John W. Gordon
June 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 2

Publisher: ACM PressFull text available:  pdf(4.61 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Computer music is a relatively new field. While a large proportion of the public is aware of computer music in one form or another, there seems to be a need for a better understanding of its capabilities and limitations in terms of synthesis, performance, and recording hardware. This article addresses that need by surveying and discussing the architecture of existing computer music systems. System requirements vary according to what the system will be used for. Common uses for co ...

8 Special issue on kernel methods: One-class svms for document classification

- Larry M. Manevitz, Malik Yousef
March 2002 **The Journal of Machine Learning Research**, Volume 2

Publisher: MIT PressFull text available:  pdf(203.03 KB) Additional Information: [full citation](#), [abstract](#), [citations](#)

We implemented versions of the SVM appropriate for *one-class* classification in the context of information retrieval. The experiments were conducted on the standard *Reuters* data set. For the SVM implementation we used both a version of Schoelkopf et al. and a somewhat different version of one-class SVM based on identifying "outlier" data as representative of the second-class. We report on experiments with different kernels for both of these implementations and with different represe ...

9 Simulation of computer program distribution

S. Yagil

December 1968 **Proceedings of the second conference on Applications of simulations**

Publisher: Winter Simulation Conference

Full text available:  [pdf\(312.49 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A computer program library is essentially a "job shop" which accepts and processes requests for computer programs. Such processing usually results in an initial delivery of the program package to the requestor, followed later by deliveries of maintenance packages to him. Packages usually consist of documentation and machine readable material (cards, tapes, disks, etc.). The latter is prepared on data processing equipment installed in the shop. Simulation of ...

10 An approach to speech synthesis and recognition on a digital computer

 B. V. Bhimani, R. D. Merrill, R. P. Mitchell, M. R. Stark

January 1966 **Proceedings of the 1966 21st national conference**

Publisher: ACM Press

Full text available:  [pdf\(1.55 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The economics of storing, organizing, and interrogating the ever-increasing data bases that computer users have to deal with dictates the use of large computers located alongside tape libraries that store the data. Such computers and libraries will necessarily serve a large population of widely scattered users. Moreover, many of the users may not be trained as computer programmers and their interests may not lie in the area of techniques of man-machine communications. Such an inc ...

11 Paper session 5: approximate and ranked query processing: Content and structure in indexing and ranking XML

 Felix Weigel, Holger Meuss, Klaus U. Schulz, François Bry

June 2004 **Proceedings of the 7th International Workshop on the Web and Databases: colocated with ACM SIGMOD/PODS 2004 WebDB '04**

Publisher: ACM Press

Full text available:  [pdf\(320.32 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Rooted in electronic publishing, XML is now widely used for modelling and storing structured text documents. Especially in the WWW, retrieval of XML documents is most useful in combination with a relevance-based ranking of the query result. Index structures with ranking support are therefore needed for fast access to relevant parts of large document collections. This paper proposes a classification scheme for both XML ranking models and index structures, allowing to determine which index suits w ...

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